# USER MANUAL
# EziWeigh6

This user manual provides detailed instructions for installing and using your EziWeigh6 indicator. For more information about the EziWeigh 6 indicator, see www.tru-test.com.

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### FCC and ICES-003 Compliance

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

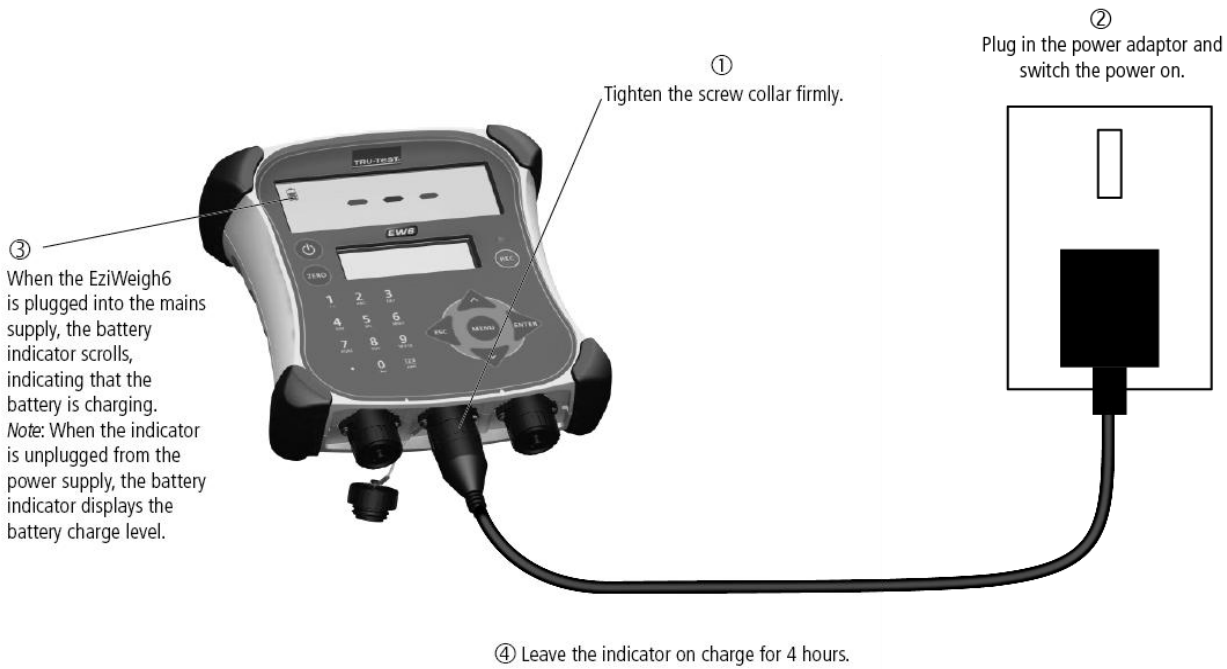
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003 (Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada).

# Charging the internal battery

*Note:* Before using the indicator, ensure that the internal battery is fully charged.


②
Plug in the power adaptor and switch the power on.
①
Tighten the screw collar firmly.
③
When the EziWeigh6 is plugged into the mains supply, the battery indicator scrolls, indicating that the battery is charging.
*Note*: When the indicator is unplugged from the power supply, the battery indicator displays the battery charge level.
④ Leave the indicator on charge for 4 hours.

*Note:* The battery indicator may not be entirely accurate when the indicator is being used in very cold conditions (below 5 °C / 40 °F).

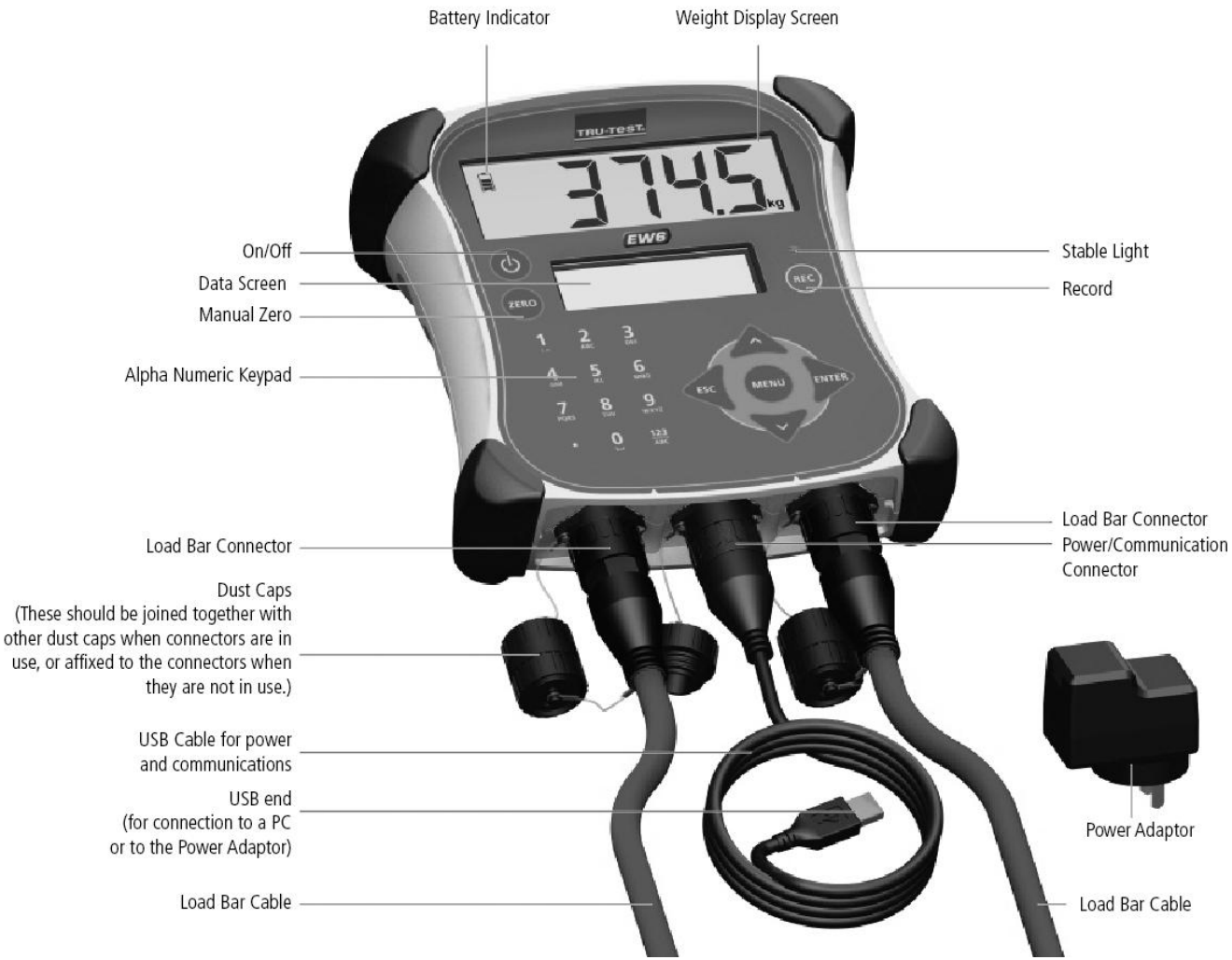
# Installation

*Note:* Mount the indicator and secure the cables so they cannot be damaged by stock.

1 Install load bars under the platform on a firm, level surface (see Load Bar User Manual).
2 Mount the indicator bracket onto a flat surface (timber rails, concrete) or pipe-work.
3 Remove the dust caps on the load bar connectors. Connect the load bar cables to the indicator.
The indicator automatically calibrates with Tru-Test load bars.
4 If required, connect the indicator to the mains power using the power/communication cable and the power adaptor.

*Tip:* Connect the dust caps together to keep out dirt and moisture. Dust caps should remain in place at all times when the indicator is not in use.

# Parts of the indicator



# Using the indicator interface

Press (MENU) to view the menu items. The top level of menus includes:

| | |
|---|---|
| Statistics | View statistics for the current session, or for previously recorded sessions. |
| Clear last record | Delete the last record in the current session. |
| Sessions | Start a new session, view statistics for the current session or for previously recorded sessions, delete a session or delete all sessions. |
| Setups | Change indicator settings and enable extra features. |

Press (ENTER) to go deeper into a sub-menu or to select an option.

Press ^ or v to scroll through a list of options.

Press (ESC) to escape out of a sub-menu back to the next tier up.

Use the alpha numeric keypad to enter text or numbers.

Press [123 ABC] to toggle between alphabet characters and numbers.

Press [.] to type a decimal point or full-stop.

With alphabet characters set, press [1 _] once to type a colon (:) or twice to type a hyphen (-).

With alphabet characters set, press [0 ␣] to type a space.

# Transferring a list of animal IDs to the indicator

Before weighing, a list of animal IDs (i.e. a VID-EID link file) may be transferred from a PC to the indicator using EziLink™, supplied with the indicator.
During a session, animal VIDs are displayed as the EIDs are being scanned if the VID-EID link is present.

Instructions for installing EziLink are supplied with the software CD.

*Caution!* Do not connect the indicator to the PC until you have installed the EziLink software. EziLink includes the driver required by the indicator. If you have already connected the indicator without installing EziLink, disconnect ithe indicator and cancel the Windows wizard if this has begun.

To transfer a VID-EID link file from a PC to the indicator:

1 Install EziLink on the PC (see the instructions provided with EziLink).
2 Connect the Indicator to the PC, using the Power/Communication cable with the power adaptor detached. Attach the Power/Communication end to the indicator's Power/Communication Connector and tighten the screw collar firmly. Insert the USB Connector end into a free USB port on the PC.
3 On the PC desktop, double-click on the shortcut for EziLink to launch the application.
The indicator displays **USB connected** and EziLink displays **Connected** in the bottom left-hand corner of the window. This indicates that the indicator and PC are successfully connected.
4 On the EziLink window, click .
5 Browse to find the .csv (comma separated values) file containing the VID, EID. Select the .csv file and click **Open**.
A dialogue box confirms that the IDs have been successfully downloaded.
6 Disconnect the Power/Communication cable at the PC (USB) end.

*Note:* The indicator must be disconnected from the PC before it can be used.

# Weighing animals

1 Press (⏻) to turn on the indicator.
2 Move the animal onto the platform.
3 Enter the animal's VID using the alpha numeric keypad, or scan the animal's EID tag using an EID reader.
4 Wait for the stable light to illuminate.
5 Press (REC).
When the animal moves off the platform, the indicator automatically returns to zero.

*Notes:*

- Entering the animal's ID is optional.
- The animal's VID or EID may be entered before the animal steps onto the platform.
- When inducting new animals, both the VID and EID can be entered.

*Tips:*

- Ensure that the animal is fully on the platform before pressing (REC).
- Ensure that the underside of the platform or crate is kept clear of dirt and stones.

# Transferring recorded data from the indicator to a PC

Records may be transferred from the indicator to a PC using EziLink, supplied with the indicator. Another application such as MS Excel can then be used for viewing and manipulating recorded data. Instructions for installing EziLink are supplied with the software CD.

*Caution!* Do not connect the indicator to the PC until you have installed the EziLink software. EziLink includes the driver required by the indicator. If you have already connected the indicator without installing EziLink, disconnect ithe indicator and cancel the Windows wizard if this has begun.

To transfer records from the indicator to a PC:

1 Install EziLink on the PC (see the instructions provided with EziLink).

2 Connect the Indicator to the PC, using the Power/Communication cable with the power adaptor detached. Attach the Power/Communication end to the indicator's Power/Communication Connector and tighten the screw collar firmly. Insert the USB Connector end into a free USB port on the PC.

3 On the PC desktop, double-click on the shortcut for EziLink to launch the application.

The indicator displays **USB connected** and EziLink displays **Connected** in the bottom left-hand corner of the window. This indicates that the indicator and PC are successfully connected.

EziLink displays all the session data recorded on the indicator in the main window.

4 Select a particular session and click

-or-

Select **File/Import all sessions from scale**.

The Save… dialogue box is displayed.

5 Type a file name, select a location on your computer and click **Save**.

# Zeroing the scale manually

By default, the scale automatically zeroes itself when a load is removed from the weighing platform or when the indicator first powers up. Occasionally, you may need to use the manual zero to force the scale to return to zero, for example if there is a build-up of dirt or stones on the platform.

To zero the scale manually:

Press (ZERO).

The scale displays zero.

# Sessions

To create a new session:

1 Press (MENU).

2 Press ▽, ▽ to display **Sessions**.

3 Press (ENTER) to display **Start New**.

4 Press (ENTER).

A message **Started** is displayed.

To view statistics for a particular session:

1 Press (MENU).

2 Press ▽, ▽ to display **Sessions**.

3 Press (ENTER).

4 Press ▽ to display **Statistics**.

5 Press (ENTER).

A session date is displayed, followed by the count (number of records in the session). Press (ENTER) to view the statistics for that session or, press ▽ to view statistics for a different session. See pg 5 for an explanation of the statistics.

# Viewing statistics for a session

Statistics can be viewed for a particular session:

| | |
|---|---|
| Count | Number of records in the session |
| Average | Average weight recorded in the session.<br>*Note:* Records with no weights are ignored in the average calculation. |
| Total | Total of all weights recorded in the session. |
| Min | Minimum weight recorded in the session |

| | |
|---|---|
| Max | Maximum weight recorded in the session |
| Low Count | Count of animals in Low range, (only available if drafting is enabled). |
| Medium Count | Count of animals in Medium range, (only available if drafting is enabled). |
| High Count | Count of animals in High range, (only available if drafting is enabled). |

*Note:* Draft statistics can only be viewed for the current file.

To view statistics for the current session:

1 Press (MENU) to display **Statistics**.
2 Press (ENTER).
3 Press ▽ to scroll through the list of statistics.

To view statistics for another session:

1 Press (MENU) to display **Statistics**.
2 Press (ENTER).
3 Press ▽ repeatedly until **Other Sessions** is displayed.
4 Press (ENTER).
A session date is displayed.
5 Press (ENTER) to view the statistics for that session or, press ▽ to view statistics for a different session.

# Deleting data

To delete the last record in the session:

1 Press (MENU).
2 Press ▽ to display **Clear Last Record**.
3 Press (ENTER).

To delete the oldest session on the indicator:

1 Press (MENU).
2 Press ▽, ▽ to display **Sessions**.
3 Press (ENTER).
4 Press ▽, ▽ to display **Clear Oldest Session**.
5 Press (ENTER).

*Note:* ID information remains in the indicator.

To delete all the sessions on the indicator:

1 Press (MENU).
2 Press ▽, ▽ to display **Sessions**.
3 Press (ENTER).
4 Press ▽ repeatedly until **Clear ALL Sessions** is displayed.
5 Press (ENTER).

*Note:* ID information remains in the indicator.

To delete all data on the indicator:

1 Press (MENU).
2 Press ▽, ▽ to display **Sessions**.
3 Press (ENTER).
4 Press ▽ repeatedly until **Clear ALL Sessions & VID-EID Links** is displayed.
5 Press (ENTER).

*Note:* All data, including ID information is deleted.

# Setups

The indicator can be customised to suit the weighing application or environmental conditions. The settings are accessed through the Setups menu.

## Drafting

Drafting allows you to sort animals into two or three groups according to their weights. During weighing, the indicator displays the weight range the animal belongs in: <LOW>, MEDIUM> or <HIGH>.

There are two draft limit settings: a low limit and a high limit. The draft limits are the 'splitting points' for the groups.

For two-way drafting, enter a weight for one of the draft limits (leaving the other set to zero). For example, to draft animals below 150 kg into one pen and heavier animals into another, set the low limit to 150 kg and set the high limit to 0 kg.

For three-way drafting, enter a weight for both the low limit and high limit. For example, to draft animals into three pens 0-150 kg, 150-225 kg and 225+, set the low limit to 150 kg and the high limit to 225 kg.

To enable drafting:

1 Press (MENU).
2 Press ▽ repeatedly to display **Setups**.
3 Press (ENTER) to display **Draft**.

4 Press ENTER.
5 Press ENTER to enable drafting.

To enter a range for the low and high limits:

1 Press MENU.
2 Press ▽ repeatedly to display **Setups**.
3 Press ENTER to display **Draft**.
4 Press ENTER.
5 Press ▽ to display **Low Limit**.
6 Type a value for the low limit range using the alpha-numeric keypad.
7 Press ENTER.
8 Press ▽ to display **High Limit**.
9 Type a value for the high limit range using the alpha-numeric keypad.
10 Press ENTER.

## Prefix

You can set the indicator to automatically apply prefixes to the VID as you enter them. This saves time typing. For example, if all of the VIDs are in the format AU476329 where 329 is the individual animal's number, you could set up a prefix of AU476. During weighing, when you type the individual animal's number 329, the indicator automatically adds the prefix AU476.

*Note:* Any combination of numbers, letters and spaces can be used for a prefix. The colon, dash and decimal point may also be used.

To enable the VID prefix feature and enter a VID prefix:

1 Press MENU.
2 Press ▽ repeatedly to display **Setups**.
3 Press ENTER.
4 Press ▽ to display **VID Prefix**.
5 Press ENTER to enable VID Prefix.
6 Press ▽ and type a value for the VID prefix using the alpha-numeric keypad.
7 Press ENTER.

## Auto Increment VID

To save time when tagging and weighing animals, you can set the VID field to automatically increment for each new animal. This means you don't have to enter the VID, the number (or letter) will increment by one each time you record a weight. For example, if you have a box of ear tags that are sorted in order, you can set up the indicator to automatically apply the next number in sequence as you weigh and tag each animal. When weighing, the auto incremented VID number appears on the indicator as soon as the animal steps onto the weighing platform.

To enable auto-increment VID:

1 Press MENU.
2 Press ▽ repeatedly to display **Setups**.
3 Press ENTER.
4 Press ▽, ▽ to display **Auto Inc VID**.
5 Press ENTER to enable Auto Inc VID.

## Backlight

The backlight is set to Off by default, however you can set it to Low or High to suit poor lighting conditions. Use of the backlight will affect battery consumption – the run-time will double if the backlight is set to Low instead of High.

To modify the backlight setting:

1 Press MENU.
2 Press ▽ repeatedly to display **Setups**.
3 Press ENTER.
4 Press ▽ repeatedly to display **Backlight**.
5 Press ENTER once to change the Backlight to Low or twice to change it to High.

## Resolution

You can specify the minimum weighing resolution.

You may want to change the minimum resolution, for example, if you are weighing very heavy loads and you are not too concerned with accuracy. By setting the resolution to 5 kg, the indicator will weigh to the nearest 5 kg and arrive at a weight more quickly. If you are weighing light loads, for example small animals, you may require accurate measurements. By setting the resolution to 0.1 kg, the indicator will weigh to the nearest tenth of a kilogram, although it may take longer for the scale to stabilise.

The resolution options depend on the type of load bars being used with the indicator.

To set the minimum weighing resolution:

1 Press MENU.
2 Press ▽ repeatedly to display **Setups**.
3 Press ENTER.

4 Press ▽ repeatedly to display **Resolution**.

5 Press ENTER repeatedly as required to modify the resolution setting.

## Auto Record

Auto recording can be used in order to speed up weighing as there is no need to press REC to complete the record. When Auto Record is on, the animal weight is recorded as soon as an ID is entered and the stable light indicator illuminates. If Auto Record is used with an EID reader, recording becomes a completely hands-free operation. Auto recording should only be used where there is limited likelihood of external influences affecting the weight reading.

*Note:* The indicator will still require an ID to be entered for each animal (VID or scanned EID). If you want to record animal weights only, you need to enable Auto Increment (see page 7).

To enable auto recording:

1 Press MENU.

2 Press ▽ repeatedly to display **Setups**.

3 Press ENTER.

4 Press ▽ repeatedly to display **Auto Record**.

5 Press ENTER to enable Auto Record.

## Date and Time

The indicator's internal date and time affects the stamp applied to each session. The date format used is yyyy/mm/dd.

To modify the date or time setting:

1 Press MENU.

2 Press ▽ repeatedly to display **Setups**.

3 Press ENTER.

4 Press ▽ repeatedly to display the date or time.

5 Press ENTER and type the date using the alpha numeric keypad.

## Auto Zero

By default, the scale automatically zeroes when a load is removed from the weighing platform or when the indicator first powers up. You may want to disable auto-zeroing, for example:

- if you are weighing a number of items together and it might take a while to load the items on the scale (e.g. weighing wool bales). In this case, the indicator may turn off after a period of inactivity and when powered up again, you would want the indicator to display the weight of the load – not zero.
- if you are weighing small weights on the platform.

With auto zero disabled, you can use ZERO to manually zero the scale when required. See page 5.

To disable Auto Zero:

1 Press MENU.

2 Press ▽ repeatedly to display **Setups**.

3 Press ENTER.

4 Press ▽ repeatedly to display **Auto Zero**.

5 Press ENTER to disable Auto Zero.

## Auto Power Down

When Auto Power Down is enabled, the indicator turns itself off after 15 minutes of inactivity in order to conserve the internal battery.

To disable Auto Power Down:

1 Press MENU.

2 Press ▽ repeatedly to display **Setups**.

3 Press ENTER.

4 Press ▽ repeatedly to display **Auto Power Down**.

5 Press ENTER to disable Auto Power Down.

## Record IDs only

There are two ways to record animal IDs without weighing.

The first method is to disconnect the load bars. This will allow the pressing of the REC button without a stable weight. Using this method, the EID, VID or both may be recorded for each animal. The REC button must be pressed for each animal.

The second method requires Record IDs only setup to be enabled. When Record IDs only is enabled, the indicator will not require any pressing of the REC button. This feature is useful, for example, when recording animals as they are loaded onto a truck. In this case, you would allow animals to file past, scan their EIDs or type in their VIDs. Using this method, you can record the EID or VID, but not both.

To enable Record IDs only:

1 Press MENU.

2 Press ▽ repeatedly to display **Setups**.

3 Press ENTER.

4 Press ▽ repeatedly to display **Record IDs Only**.

5 Press ENTER to enable Record IDs only.

### Damp System

Damping is the length of time it takes in order for the indicator to settle on a weight. The damping system selected will depend on what you are weighing (cattle, sheep, produce, feed etc).

| | |
|---|---|
| Superdamp III Cattle | Ideal damping system for weighing cattle |
| Superdamp III Sheep | Ideal damping system for weighing sheep |
| Fixed weighing time | You can specify the weighing time. |
| Averaging | The average weight for a specific number of seconds is continuously displayed. Used for non-moving weights such as produce and feed. You can specify the weighing time. |

To modify the damp system setting and set the weigh time:

1 Press (MENU).
2 Press ▽ repeatedly to display **Setups**.
3 Press (ENTER).
4 Press ▽ repeatedly to display **Damp System**.
5 Press (ENTER) repeatedly as required to modify the damp system setting.
6 Press ▽ to display **Weigh Time**.
7 Press (ENTER) repeatedly as required to modify the weighing time.

*Note:* The Weigh Time option is only available if Fixed Weighing Time or Averaging has been selected as the Damp System setting.

### Language

The indicator display can be set to English, Spanish, French, German, Portuguese, Chinese or Japanese.

To modify the language setting:

1 Press (MENU).
2 Press ▽ repeatedly to display **Setups**.
3 Press (ENTER).
4 Press ▽ repeatedly to display **Language**.
5 Press (ENTER) repeatedly as required to modify the language setting.

### Software version

You may need to view the software version for troubleshooting purposes.

To view the software version:

1 Press (MENU).
2 Press ▽ repeatedly to display **Setups**.
3 Press (ENTER).
4 Press ▽ repeatedly until the software version is displayed.

## Caring for the indicator

Do not leave the indicator or load bars in water. Store the indicator in a cool, dry place.

By default, the indicator turns itself off after 15 minutes of inactivity in order to conserve the battery.

Wipe the indicator using a damp cloth, warm water and soap. Other cleaners may damage the case.

## Service and warranty information

For service and warranty information, see www.tru-test.com.

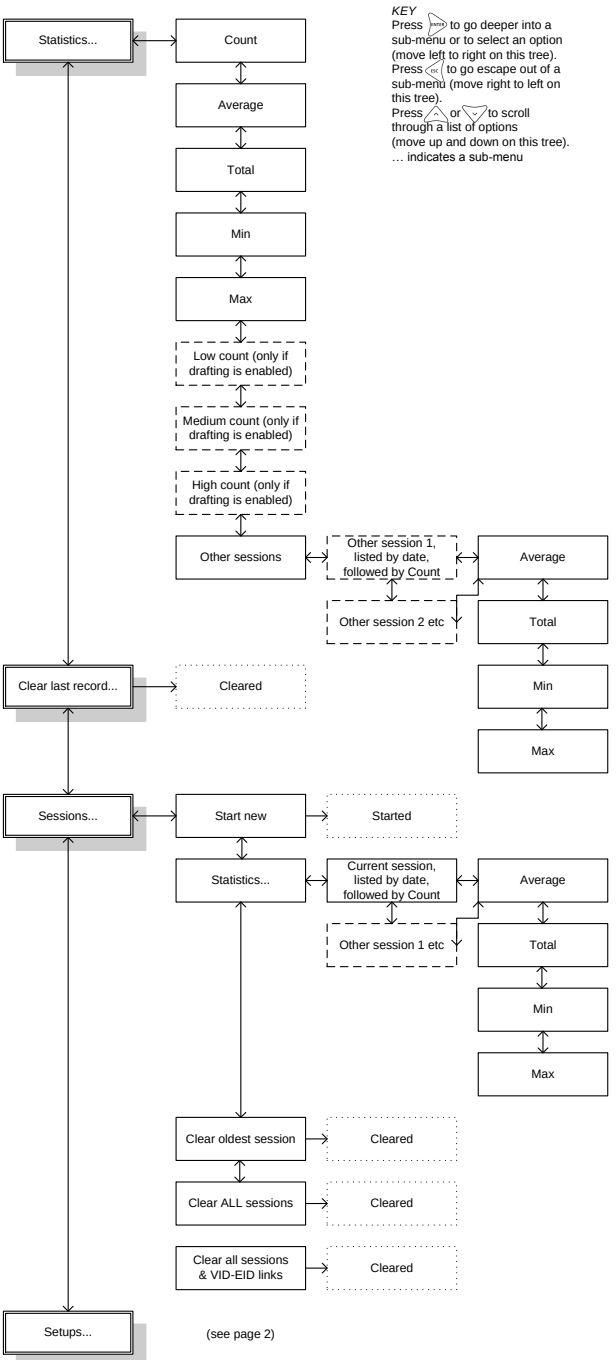
## Upgrading the software

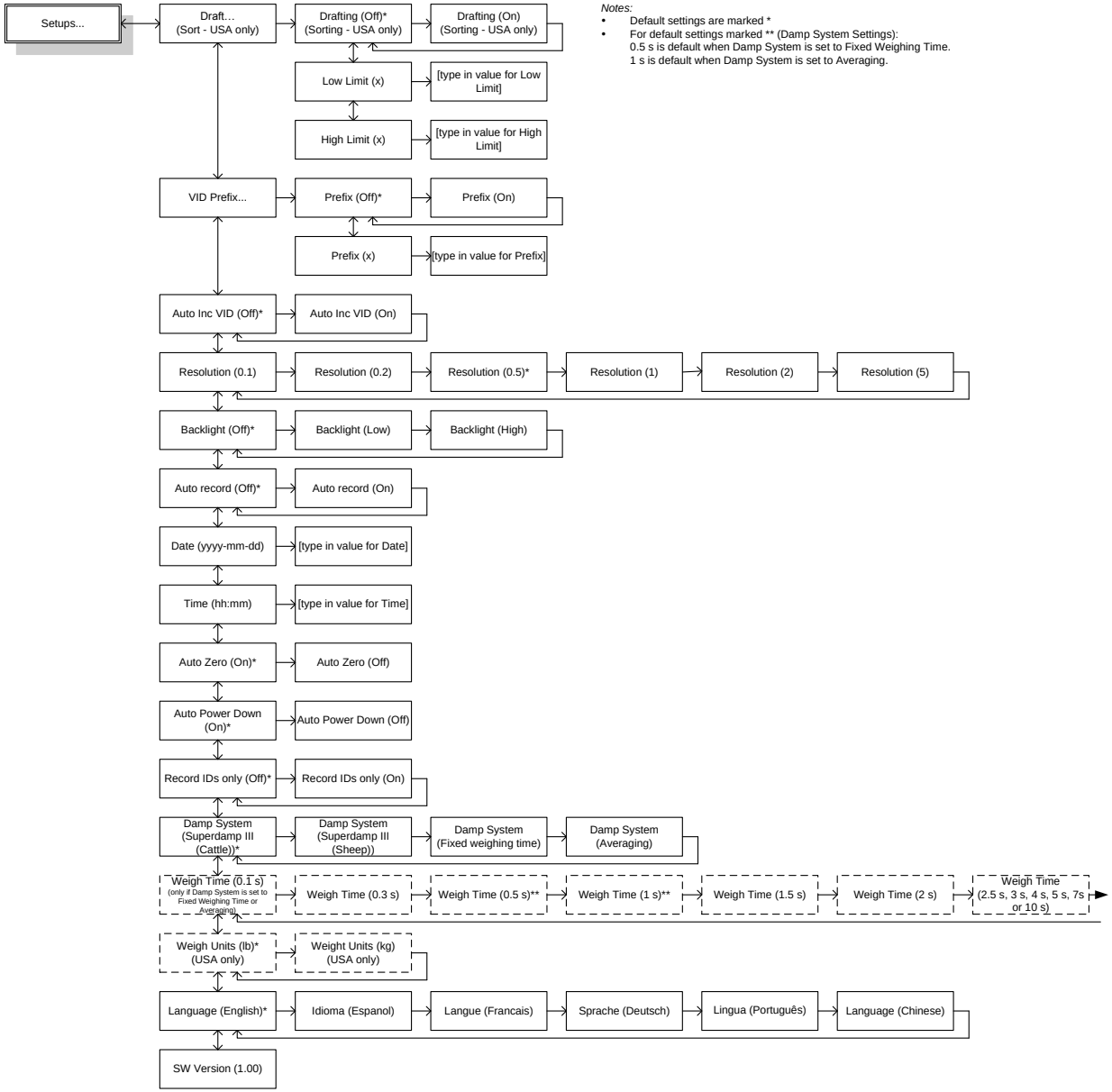
The latest version of software can be downloaded from www.tru-test.com. Instructions for upgrading are provided with the download.

## Specifications

| | |
|---|---|
| Total capacity | 2000 or 3000 kg (4400 or 6600 lb) depending on load bars used. |
| Resolution | Set to 0.5 kg (fine mode 0.1 kg) or 1 lb (fine mode 0.2 lb). |
| Accuracy | ±1 % or 2 resolutions (whichever is greater) with Tru-Test load bars connected. |
| Power supply | 5 V DC (power adaptor). |
| Operating temperature | -10 to +40 °C (+14 to +104 °F). |
| Storage temperature | -20 to +35 °C (-4 to +95 °F). |
| Internal battery run time | Up to 20 hours with 2 load bars connected. |
| Environmental | IP67 (immersion in up to 1 m (3') of water). |

# Menus


KEY
Press to go deeper into a sub-menu or to select an option (move left to right on this tree).
Press to go escape out of a sub-menu (move right to left on this tree).
Press or to scroll through a list of options (move up and down on this tree).
… indicates a sub-menu
Statistics...
Count
Average
Total
Min
Max
Low count (only if drafting is enabled)
Medium count (only if drafting is enabled)
High count (only if drafting is enabled)
Other sessions
Other session 1, listed by date, followed by Count
Other session 2 etc
Average
Total
Min
Max
Clear last record...
Cleared
Sessions...
Start new
Started
Statistics...
Current session, listed by date, followed by Count
Other session 1 etc
Average
Total
Min
Max
Clear oldest session
Cleared
Clear ALL sessions
Cleared
Clear all sessions & VID-EID links
Cleared
Setups...
(see page 2)




*Notes:*

- Default settings are marked *
- For default settings marked ** (Damp System Settings):
  0.5 s is default when Damp System is set to Fixed Weighing Time.
  1 s is default when Damp System is set to Averaging.

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